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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Yaw S. Obeng

Serial No.: N/A

Filed: Herewith

For: MEASURING THE SURFACE PROPERTIES OF POLISHING
PADS USING ULTRASONIC REFLECTANCE

Group No.: N/A

Examiner: N/A

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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<u>12-3-2003</u> Date of Mailing	<u>Elizabeth Schumacher</u> Typed or printed name of person mailing
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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this statement.

This submittal is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed below and on the attached Form PTO-1449. Copies of the listed references are submitted herewith.

<u>U.S. Patent No.</u>	<u>Inventor</u>	<u>Date</u>
6,585,574	Lombardo et al.	07/01/2003
6,435,948	Molnar	08/20/2002
6,428,388	Molnar	08/06/2002
6,425,816	Roberts, et al.	07/30/2002

6,425,803	Baker, III	07/30/2002
6,419,556	Urbanavage, et al.	07/16/2002
6,413,153	Molnar	07/02/2002
6,354,915	James et al.	03/12/2002
6,346,202	Molnar	02/12/2002
6,343,510	Neeson, et al.	02/05/2002
6,328,634	Shen et al.	12/11/2001
6,311,573	Bhardwaj	11/06/2001
6,300,386	Karukaya et al.	10/09/2001
6,293,851	Molnar	09/25/2001
6,291,349	Molnar	09/18/2001
6,283,829	Molnar	09/04/2001
6,267,644	Molnar	09/04/2001
6,264,532	Meloni	07/24/2001
6,186,864	Fisher et al.	02/13/2001
6,099,954	Urbanavage et al.	08/08/2000
6,051,500	Maury et al.	04/18/2000
6,045,434	Fisher et al.	04/04/2000
5,624,303	Robinson	04/29/1997
5,578,362	Reinhardt et al.	11/26/1996
5,332,943	Bhardwaj	07/26/1994
4,703,656	Bhardwaj	11/03/1987
4,272,924	Masuko et al.	06/16/1981
4,168,353	Kitamori	09/18/1979

<u>Foreign Patent No.</u>	<u>Country</u>	<u>Date</u>
WO 99/10129	WO	03/04/1999

References:

David G. Totzke; "ULTRASOUND DIAGNOSTIC OF CHEMICAL MECHANICAL PLANARIZATION PADS"; August 2000; Pg. 1-62.

Encyclopedia of Smart Materials, 2 Volume Set; March 2002.

D.G. Totzke, A. Belyaev, W. Moreno, S. Ostapenko, I. Tarasov, W. Easter, A. Maury, and A. Crevasse; 'NON-DESTRUCTIVE CHARACTERIZATION OF CMP PADS USING SCANNING ULTRASONIC TRANSMISSION'; AIP Conference Proceedings, American Institute of Physics, 1970. Pgs. 259-262.

M.A. Rodriguez-Perez, A. Duijsens and J.A. De Saja; "EFFECT OF ADDITION OF EVA ON THE TECHNICAL PROPERTIES OF EXTRUDED FOAM PROFILES OF

LOW-DENSITY POLYETHYLENE/EVA BLENDS"; Effects of Eva on Properties of LDPE/EVA Blends; October 1997; Pgs. 1237-1244.

Parent Application No.10/241,985; Yaw S. Obeng; "MEASURING THE SURFACE PROPERTIES OF POLISHING PADS USING ULTRASONIC REFLECTANCE"; filed September 12, 2002; received Notice of Allowance dated November 12, 2003.

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above Patents and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure Statement. The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 08-2395.

Respectfully submitted,

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	N/A
				Filing Date	Herewith
				First Named Inventor	Yaw S. Obeng
				Art Unit	N/A
				Examiner Name	N/A
Sheet	3	of	3	Attorney Docket Number	SILO-0011D1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		David G. Totzke; "ULTRASOUND DIAGNOSTIC OF CHEMICAL MECHANICAL PLANARIZATION PADS"; August 2000; Pg. 1-62.	
		Encyclopedia of Smart Materials, 2 Volume Set; March 2002.	
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Examiner Signature		Date Considered	
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Sheet 1 of 3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 6,585,574	07/01/2003	Lombardo et al.	
	2	US- 6,435,948	08/20/2002	Molnar	
	3	US- 6,428,388	08/06/2002	Molnar	
	4	US- 6,425,816	07/30/2002	Roberts, et al.	
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	10	US- 6,343,510	02/05/2002	Neeson, et al.	
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	12	US- 6,311,573	11/06/2001	Bhardwaj	
	13	US- 6,300,386	10/09/2001	Karukaya et al.	
	14	US- 6,293,851	09/25/2001	Molnar	
	15	US- 6,291,349	09/18/2001	Molnar	
	16	US- 6,283,829	09/04/2001	Molnar	
	17	US- 6,267,644	09/04/2001	Molnar	
	18	US- 6,264,532	07/24/2001	Meloni	
	19	US- 6,186,864	02/13/2001	Fisher et al.	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 99/10129	03/04/1999	Ning Wang		

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	20	US- 6,099,954	08/08/2000	Urbanavage et al.	
	21	US- 6,051,500	04/18/2000	Maury et al.	
	22	US- 6,045,434	04/04/2000	Fisher et al.	
	23	US- 5,624,303	04/29/1997	Robinson	
	24	US- 5,578,362	11/26/1996	Reinhardt et al.	
	25	US- 5,332,943	07/26/1994	Bhardwaj	
	26	US- 4,703,656	11/03/1987	Bhardwaj	
	27	US- 4,272,924	06/16/1981	Masuko et al.	
	28	US- 4,168,353	09/18/1979	Kitamori	
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